ABSTRACT OF THE DISCLOSURE

A rotating angle detector (10) according to the invention comprises magnetic field generating means for rotating integrally with a detected member and uniformly generating a magnetic field in one direction perpendicularly to a rotating axis in a stationary state, and at least two magnetic sensors (41), (42), (43) and (44) provided to generate one sine wave for one rotation of the magnetic field generating means respectively, wherein input current terminals (61), (62), (63) and (64) of the magnetic sensor are connected in series.

Moreover, it is also possible to employ such a structure that at least two signal differential amplifying means are arranged on a substrate provided with at least two magnetic sensors and there is provided a circuit wiring for causing an output sent from each of the magnetic sensors to pass through the signal differential amplifying means. Furthermore, it is also possible to employ such a structure that all the input current terminals of the magnetic sensor of an apparatus provided with a plurality of rotating angle detectors are connected in series.